CROATICA CHEMICA ACTA 59 (4) (1986)

INDEX

ORIGINALNI ZNANSTVENI RADOVI (OP) — ORIGINAL SCIENTIFIC PAPERS (OP)
BILJEŠKE (N) — NOTES (N)

PRETHODNA SAOPĆENJA (PC) — PRELIMINARY COMMUNICATIONS (PC)

PREDAVANJA (P) — CONFERENCE PAPERS (P)

AUTORSKI PREGLED (AR) — AUTHORS REVIEW (AR)

PISMA (L) — LETTERS (L)

POHRANJENI RUKOPISI (DD) — DEPOSITED DOCUMENT (DD)

Agarwal, R. K. and **Gupta**, S. K.: The Lanthanide Perchlorate Complexes with 5,6-Benzoquinoline *N*-Oxide (**N**) 939

Agarwal, R. K. and **Singh**, G.: Spectral and Thermal Studies of 1,10-Phenanthroline *N,N'*-Dioxide Chelates of Oxovanadium(IV) (**N**) 945

Aly, A. A. M.: vidi **Mohamed**, A. A.

Baán, G., **Novák**, L., **Kis-Tamás**, A. and **Szántay**, C.: Efficient Synthesis of the Components of the German Crockroach Sex Pheromone I 177

Babić, D. and **Graovac**, A: Enumeration of Kekulé Structures in One-dimensional Polymers (**OP**) 731

Baur, R.: vidi **Boruah**, R. C.

Berkowitz, J., **Gibson**, S. T., **Greene**, J. P., **Nešković**, O. M. and **Ruščić**, B.: Bond Energies of Nitrogen and Phosphorous Hydrides and Fluorides (**OP**) . 513

Bird, T. G., **Moschner**, K., **Robert**, M.-H., **Collard-Motte**, J., **Janousek**, Z., **Merényi**, R. and **Viehe**, H. G.: 2,2'Dipyrolidine as a Precursor to Novel Diazatricyclic Systems (**OP**) 51

Boruah, R. C., **Baur**, R. and **Pfleiderer**, W.: Pteridines. LXXVII. C-Acylations of Pteridines by Homolytic Heteroatomic Substitution (**OP**) 183

Borštnik, B., **Pumpernik**, D. and **Janežič**, D.: One Particle and Two Particle Distributions in the Liquid-Vapour Interface (**OP**) 527

Brandshaw, J. S.: vidi **Nakatsuji**, Y.

Brownstein, A. D.: vidi **Martinelli**, M. J.

Buemi, G. and **Zuccarello**, F.: Molecular Geometry and Electronic Structure of Heptalentropones and Heptalendiones (**OP**) 745

Capparelli, A. L.: vidi **Villar**, H.

Cesar, V. and **Široki**, M.: Extraction and Characterization of Indium-[4-(2-Pyridylazo)resorcinol] Complexes (**OP**) 475

Chancy, P. L.: vidi **Klasinc**, L.

Clementi, E.: vidi **Kim**, K. S.

Clercq De, E.: vidi **Schneller**, S. W.

Collard-Motte, J.: vidi **Bird**, T. G.

Czakó-Nagy, I.: vidi **Musić**, S.

Dabkowski, W., **Michalski**, J., **Wasiak**, J. and **Skrzypczynski**, Z.: Reaction of Stannyl Esters of Phosphorus Acids with Sulfonic Acids Chlorides and Carboxylic Acids Anhydrides. A Novel Synthesis of Phosphoric-Sulfonic and Phosphoric-Carboxylic Anhydrides (**OP**) 195

Dasgupta, G. and **Mahanti,** M. K.: Kinetics of *N*-Alkyl Side Chain Oxidations. Oxidation of *N*,*N*-Dimethylaniline by Alkaline Hexacyanoferrate(III) (**OP**) 407

Dasgupta, G. and **Mahanti,** M. K.: Kinetics of Oxidation of Benzylamines by Alkaline Hexanocyanoferrate(III) (**N**) 895

Day, A. C., **Mallion,** R. B. and **Rigby,** M. J.: Proof of the Formulae for the Molecular Orbitals and Energy Levels of Möbius Annulenes, Based on the Theory of Skew-Circulant Matrices (**OP**) 533

Dixit, A.: vidi **Jain,** R.

Dragčević, Dj., **Milunović,** M. and **Pravdić,** V.: A Technique for Simultaneous Measurements of Dynamic Surface Tension and Surface Potential of Films at the Water/Air Interface (**OP**) 397

Duke, B. J. and **O'Leary,** B.: The Simulated ab Initio Molecular Orbital (SAMO) Method. A Study of the Linear Metallic Hydrogen Chain (**OP**) . . . 539

Eckert-Maksić, M. and **Maksimović,** Lj.: MNDO Study of Tautomerism in 3-Acetyltetramic Acid (**OP**) 757

Elguero, J., **Hoz de la,** A. and **Pardo,** C.: Base-Catalyzed Rearrangement of 2-Vinylpyrazolium Salts into 1,2-Dihydropyrimidines (**OP**) 153

El-Mariah, F. A. A. and **Kappe,** T.: Potential Non-Steroidal Estrogens and Antiestrogens. I. Synthesis of Some 7-Methoxy-2-(1*H*)-quinolone Derivatives (**OP**) 171

El-Shabassy, M.: vidi **Mohamed,** A. A.

Faid-Allah, H.: vidi **Katritzky,** A. R.

Fišer-Jakić, L. and **Karminski-Zamola,** G.: Synthesis and Photochemical Behaviour of Substituted 3,4-furandicarboxdianilides (**N**) 891

Fornilli. S. L.: vidi **Kim,** K. S.

Gibson, S. T.: vidi **Berkowitz,** J.

Gimarc, B. M.: vidi **Randić,** M.

Gluzinski, P.: vidi **Kamienska-Trela,** K.

Goodson, A. L. and **Lozac'h,** N.: Advantages of Nodal Numbering for Uniquely Identifying Atoms in Chemical Nomenclature (**OP**) 547

Graovac, A.: vidi **Hoxha,** J.

Greene, J. P.: vidi **Berkowitz,** J.

Gronowitz, S., **Hörnfeldt,** A. B. and **Yang,** Y.: On the Synthesis of Isomeric Dithiophene Analogues of Phenanthridine -*N*-oxides (**OP**) 313

Guissani, J.: vidi **Sokolić,** F.

Gupta, S. K.: vidi **Agarwal,** R. K.

Hamana, M.: The Reaction of Dihydro-intermediates Derived from Pyridine and Quinoline *N*-oxides (**AR**) 89

Hässelbarth, W.: An Invitation to Permutation Representations of Groups (**OP**) 565

Heimgartner, H.: 2-Thiazolin-5-thiones, a New Type of Sulfur Heterocycle Synthesis and Reactions (**AR**) 237

Höweler, U.: vidi **Klessinger,** M.

Hörnfeldt, A. B.: vidi **Gronowitz,** S.

Horvat, J., **Klaić,** B., **Metelko,** B. and **Šunjić,** V.: Mechanism of Levulinic-Acid Formation in Acid Catalysed Hydrolysis of 2-Hydroxymethylfurane and 5-hydroxymethylfurane-2-carbaldehyde (**OP**) 429

Horvat, V.: vidi **Kvastek,** K.

Hosoyoa, H.: How to Design Non-Kekulé Polyhex Graphs? (**OP**) 583

Hoz, A. de la: vidi **Elguero,** J.

Hoxha, J., **Graovac,** A. and **Polansky,** O. E.: On Some Further Classes of Isomers Which Exhibit Topological Effect on Molecular Orbitals (**OP**) . . 591

Jacobi, P. A.: vidi **Martinelli,** M. J.

Jain, R. and **Dixit,** A.: A Spectrophotometric and Polarographic Investigation of Some New Precursors of Potential Antineoplastic Compounds (**OP**) . 463

Jain, R. and **Dixit**, A.: Polarographic Behaviour of Some Potential Antineoplastic Benzothiazolylazopyrazoles (**N**) 917

Janežič, D.: vidi **Borštnik**, B.

Janović, Z., **Sarić**, K. and **Vogl**, O.: Copolymers of Bromine-Containing Monomers 8. Copolymers of Acrylonitrile with some Brominated Phenyl Methacrylate (**OP**) 413

Janousek, Z.: vidi **Bird**, T. G.

Jashari, G.: vidi **Jurić**, A.

Jones, T. C., **Waters**, T. N., **Kaitner**, B. and **Kamenar**, B.: The Crystal Structure and Conformation of *bis*(*N*-methyl-5-chlorosalicylideneiminato)nickel(II) and *bis*(*N*-ethyl-5-chlorosalicylideneiminato)nickel(II) (**OP**) 827

Juretić, D. and **Sokolić**, F.: Membrane Potential as a Coupling Agent for Photophsophorylation by Bacteriorhodopsin and ATP-ase Containing Artificial Membrane (**OP**) 599

Jurić, A., **Trinajstić**, N. and **Jashari**, G.: Aromatic Stabilities of Bridged Polyenes (**OP**) 617

Kaitner, B.: vidi **Jones**, T. C.

Kalinowski, M. K.: vidi **Kwiatek**, B.

Kamenar, B.: vidi **Jones**, T. C.

Kamienska-Trela, K. and **Gluzinski**, P.: Total Range of CC Coupling Constants in Diacetylene Derivatives Calculated by the INDO EPT Method (**OP**) . 883

Kappe, T.: vidi **El-Mariah**, F. A. A.

Karminski-Zamola, G.: vidi **Fišer-Jakić**, L.

Kašnar, B.: vidi **Škarić**, V.

Katagiri, N.: vidi **Niwa**, R.

Kato, T.: vidi **Niwa**, R.

Katritzky, A. R., **Faid-Allah**, H., **Wilde**, H. and **Sabongi**, J.: Cycloaddition Reaction Involving Two Heterocyclic Rings. Preparation of Novel Triazolonapthyridine Ring Systems (**OP**) 27

Kim, K. S., **Vercauteren**, D. P., **Welti**, M., **Fornili**, S. L. and **Clementi**, E.: Interaction of Na^+ Ion with the Solvated Gramicidin A Transmembrane Channel (**OP**) 369

Kirby, E. C.: The Factorisation of Chemical Graphs and Their Polynomials: A Polynomial Division Approach (**OP**) 635

Kis-Tamás, A.: vidi **Baán**, G.

Klaić, B.: Evidence for Chitobiose Formation from Peptidoglycan Monomer under Mildly Alkaline Conditions (**N**) 933

Klaić, B.: vidi **Horvat**, J.

Klasinc, L., **Kumar**, D., **Clancy**, P. L. and **McGlynn**, S. P.: Optical Transitions in Highly Excited States: RF LOG Spectrum of XeI (**OP**) 643

Klessinger, M. and **Höweler**, U.: A Simple Model for Free-Radical Reactions (**OP**) 653

Knop, J. V., **Szymanski**, K., **Kroto**, H. W. and **Trinajstić**, N.: Chemical Graph Theory. VII. Enumeration and Generation of the Nonionic/Radical Members of Cyanopolyyne Family (**OP**) 359

Knop, J. V.: vidi **Szymanski**, K.

Kojić-Prodić, B.: vidi **Turjak-Zebić**, V.

Křivka, P., **Nikolić**, S. and **Trinajstić**, N.: Applications of the Reduced Graph Model. Enumeration of Kekulé Structures for Certain Classes of Large Benzenoid Hydrocarbons (**OP**) 659

Kroto, H. W.: vidi **Knop**, J. V.

Kumar, D.: vidi **Klasinc**, L.

Kvastek, K. and **Horvat**, V.: On the Warburg Parameter of the Ag/AgI Electrode (**OP**) 853

Kwiatek, B. and **Kalinowski**, M. K.: Substitutuent Effect on the Association Equilibria of Free Radical Anions. Electrochemical Reduction of *p*-Substituted Nitrobenzenes in *N*,*N*-Dimethylformamide (**OP**) 901

Leskovac, V. and **Trivić**, S.: Enzymatic Oxidation of NADH by Streptomycin (**N**) 439

Lozac'h, N.: vidi **Goodson**, A. L.

Lutz, H. and **Pfleiderer**, W.: Pteridines. LXXVIII. Reactions and Properties of 4-Thiolumazine Derivatives (**OP**) 199

Mahanti, M. K.: vidi **Dasgupta**, G.

Maksimović, Lj.: vidi **Eckert-Maksić**, M.

Mallion, R. B.: vidi **Day**, A. C.

Marinković, D.: vidi **Mihailović**, M. Lj.

Martinelli, M. J., **Brownstein**, A. D., **Jacobi**, P. A. and **Polanc**, S.: The Azomethine Imine Route to Guanidines. Total Synthesis of (±)-Saxitoxin (**OP**) 267

May, J. L.: vidi **Schneller**, S. W.

McGlynn, S. P.: vidi **Klasinc**, L.

Merényi, R.: vidi **Bird**, T. G.

Metelko, B.: vidi **Horvat**, J.

Metwally, M. A. vidi **Metwally**, S. A.

Metwally, S. A., **Younes**, M. I. and **Metwally**, M. A.: Synthesis and Some Reactions of 3-Methyl-4-aryl-1-phenyl-1*H*-pyrazolo-[3,4-*d*] pyrimidine--6-thiols (**OP**) 483

Michalski, J.: vidi **Dabkowski**, W.

Mihailović, M. Lj., and **Marinković**, D.: The Formation of Cyclic Ethers from Olefinic Alcohols. Part XI. The Oxidative Cyclization of Some Open--Chain Unsaturated Alcohols by Means of Organic Peracids (**OP**) . . 109

Millett, K. C.: Configuration Census. Topological Chirality and the New Combinatorial Invariants (**OP**) 669

Milunović, M.: vidi **Dragčević**, Dj.

Mirnik, M.: Direct Computation of Madelung Constants (**OP**) 423

Mohamed, A. A., **Aly**, A. A. M. and **El-Shabasy**, M.: Magnetic and Spectral Properties of 2-Methylbenzoxazole, Benzothiazole, and 2-Methylbenzothiazole Complexes with Coper(II) Dichloracetate (**N**) 509

Moschner, K.: vidi **Bird**, T. G.

Müller, W. R.: vidi **Szymanski**, K.

Mukaiyama, T. and **Murakami**, M.: Recent Advances in Cross Aldol Reactions (**AR**) 221

Murakami, M.: vidi **Mukaiyama**, T.

Musić, S., **Czakó-Nagy**, I., **Popović**, S., **Vértes**, A. and **Tonković**, M.: Mössbauer Spectroscopy, X-Ray Diffraction and IR Spectroscopy of Oxide Precipitates Formed from $FeSO_4$ Solution (**OP**) 833

Nakatsuji, Y. and **Brandshaw**, J. S.: The Preparation of Macrocyclic Diester and Tetraester Ligands by a Transesterification Process (**AR**) . . . 19

Nešković, D. M.: vidi **Berkowitz**. J.

Nikolić, S.: vidi **Křivka**, P.

Nitti, P., **Pitacco**, G., **Rinaldi**, V. and **Valentin**, E.: 1,2-Oxazin *N*-Oxide Derivatives from 1-Hetera-4-Cyclohexanone Enamines and Nitroolefins. Ring-chain Tautomerism (**OP**) 165

Niwa, R., **Katagiri**, N. and **Kato**, T.: Synthesis of 1,3-Substituted 4-(2-Furyl)--2-azetidinones (**OP**) 121

Norinder, U.: vidi **Wennerström**, O.

Novak, L.: vidi **Baán**, G.

Oae, S.: Ligand Coupling Reactions Through Hypervalent and Similar Valence-Shell Expanded Intermediates (**OP**) 129

O'Leary, B.: vidi **Duke**, B. J.

Pardo, C.: vidi **Elgueor**, J.

Petruševski, V. and **Trenčevski**, K.: A Tensorial Approach to the Description of Molecular Distortions I. Tetrahedral Molecules (**OP**) 867

Pfleiderer, W.: vidi **Boruah**, R. C.

Pfleiderer, W.: vidi **Lutz**, H.

Pitacco, G.: vidi **Nitti**, P.

Plas van der, H. C. and **Wozniak**, M.: Potassium Permanganate in Liquid Ammonia. An Effective Reagent in the Chichibabin Amination of Azines (**AR**) 33

Polanc, S.: vidi **Martinelli**, M. J.

Polansky, O. E.: vidi **Hoxha**, J.

Popović, S.: vidi **Musić**, S.

Pravdić, V.: vidi **Dragčević**, Dj.

Pumpernik, D.: vidi **Borštnik**, B.

Ramesh, V. and **Rao**, G. N.: Effect of Several Auxiliary Ligands on the Extraction of Manganese(II) with 4-Benzoyl-3-methyl-1-phenyl-5-pyrazolone (**OP**) 443

Randić, M.: Compact Codes. 2. Bicyclic Saturated Hydrocarbons (**OP**) . . . 327

Randić, M., **Gimarc**, B. M. and **Trinajstić**, N.: On the Aromatic Stabilities of Polyacenes and Helicenes (**OP**) 345

Rao, G. N.: vidi **Ramesh**, V.

Raza, Z.: vidi **Škarić**, V.

Reiner, E.: Inhibition of Acetylcholinesterase by 4,4'-Bipyridine and its Effect upon Phosphylation of the Enzyme (**OP**) 925

Rigby, M. J.: vidi **Day**, A. C.

Rinaldi, V.: vidi **Nitti**, P.

Robert, M.-H.: vidi **Bird**, T. G.

Ruščić, B.: vidi **Berkowitz**, J.

Ružić-Toroš, Ž.: vidi **Turjak-Zebić**, V.

Sabongi, J.: vidi **Katritzky**, A. R.

Sarić, K.: vidi **Janović**, Z.

Schneller, S. W., **May**, J. L. and **Clercq**, de E.: The Synthesis and Antiviral Properties of 8-Amino-3-[(2-hydroxyethoxy)-methyl]-1,2,4-triazolo-[4,3-α]pyrazine (**OP**) 307

Singh, S.: vidi **Vyas**, M.

Singh, S.: vidi **Agarwal**, R. K.

Skrzypczyński, Z.: vidi **Dabkowski**, W.

Slanina, Z.: A Formal Proof of Vessel-Shape Dependency of the Ideal-Gas One-Particle Partition Function of Translation (**OP**) 769

Sokolić, F. and **Guissani**, Y.: Effective Intermolecular Pair Potentials for Sulphur Dioxide (**OP**) 695

Sokolić, F.: vidi **Juretić**, D.

Spanget-Larsen, J.: The Alternant Hydrocarbon Pairing Theorem and All-Valence Electrons Theory. An Approximate LCOAO Theory for the Electronic Absorption and MCD Spectra of Conjugated Organic Compounds. 1. (**OP**) 711

Spina, A.: vidi **Villar**, H.

Stanovnik, B.: vidi **Urleb**, U.

Stefanović, M.: vidi **Šolaja**, B.

Suschitsky, H.: The 2H-Benzimidazoles (Isobenzimidazoles) as Synthons in Heterocyclic Chemistry (**AR**) 57

Szántay, C.: vidi **Baán**, G.

Szymanski, K., **Müller**, W. R., **Knop**, J. V. and **Trinajstić**, N.: Molecular ID Numbers (**OP**) 719

Szymanski, K.: vidi **Knop**, J. V.

Široki, M.: vidi **Cesar**, V.

Škarić, V., **Raza**, Z. and **Kašnar**, B.: Synthesis and Intramolecular Rearrangement of Enantiomeric Amino-alcohols in the Aliphatic Thymidine Analogues Series (**OP**) 297

Škarić, V.: vidi **Turjak-Zebić**, V.

Šolaja, B. and **Stefanović**, M.: Steroidal Analogue of Deoxyvernolepin. Synthesis of δ-Lactone Key Intermediate (**OP**) 1

Šunjić, V.: vidi **Horvat**, J.

Težak, Dj.: Methorics of the Precipitation Processes. XXV. Effects of Non-Ionic Surface-Active Agents on Growth and Aggregation of Silver Iodide Sols (**OP**) 813

Tišler, M.: vidi **Urleb**, U.

Tonković, M.: vidi **Musić**, S.

Trenčevski, K.: vidi **Petruševski**, V.

Trinajstić, N.: vidi **Jurić**, A.

Trinajstić, N.: vidi **Knop**, J. V.

Trinajstić, N.: vidi **Křivka**, P.

Trinajstić, N.: vidi **Randić**, M.

Trinajstić, N.: vidi **Szymanski**, K.

Tripathi, S. R.: vidi **Vyas**, M.

Trivić, S.: vidi **Leskovac**, V.

Tuhtar, D.: Investigation of Selectivity of a Sulfide Ion-Selective Electrode (**OP**) 451

Turjak-Zebić, V., **Škarić**, V., **Ružić-Toroš**, Ž. and **Kojić-Prodić**, B.: Bromolactone Structures derived from Cyclohex-3-ene-1,1-dicarboxylic Acids and Syntheses of Multifunctional Cyclohexanecarboxylic Acids (**OP**) . 491

Valentin, E.: vidi **Nitti**, P.

Vercauteren, D. P.: vidi **Kim**, K. S.

Vértes, A.: vidi **Musić**, S.

Viehe, H. G.: vidi **Bird**, T. G.

Villar, H., **Capparelli**, A. L. and **Spina**, A.: An HMO »Extended« Free Valence Index and its Application (**OP**) 383

Vogl O.: vidi **Janović**, Z.

Vyas, M. **Singh**, S., **Tripathi**, S. R. and **Yadava**, K. L.: Ionophoretic Technique for the Determination of Stability Constants of Mixed Complexes (M-Nitrilotriacetate-5-Amino Pentanoate Systems) (**OP**) 907

Wasiak, J.: vidi **Dabkowski**, W.

Waters, T. N.: vidi **Jones**, T. C.

Welti, M.: vidi **Kim**, K. S.

Wennerström, O. and **Norinder**, U.: Möbius π-Systems; Links Between Small Cyclic and Large Linear π-Systems (**OP**) 725

Wilde, H.: vidi **Katritzky**, A. R.

Wozniak, M.: vidi **Plass van der** H. C.

Zuccarello, F.: vidi **Buemi**, G.

Yadava, K. L.: vidi **Vyas**, M.

Yang, Y.: vidi **Gronowitz**, S.

Younes, M. I.: vidi **Metwally**, S. A.

Živković, T. P.: Spin Eigenstates and Spin-Independent Alternant Systems (**OP**) 773